

LS(1) FSF LS(1)

NAME

ls - list directory contents

SYNOPSIS

ls [OPTION]... [FILE]...

DESCRIPTION

List information about the FILES (the current directory by default).
Sort entries alphabetically if none of -cftuSUX nor --sort.

Mandatory arguments to long options are mandatory for short options too.

-a, --all
do not hide entries starting with .

-A, --almost-all
do not list implied . and ..

--author
print the author of each file

-b, --escape
print octal escapes for nongraphic characters

--block-size=SIZE
use SIZE-byte blocks

-B, --ignore-backups
do not list implied entries ending with ~

-c with -lt: sort by, and show, ctime (time of last modification of
file status information) with -l: show ctime and sort by name
otherwise: sort by ctime

-C list entries by columns

--color[=WHEN]
control whether color is used to distinguish file types. WHEN
may be `never', `always', or `auto'

-d, --directory
list directory entries instead of contents

-D, --dired
generate output designed for Emacs' dired mode

-f do not sort, enable -aU, disable -lst

-F, --classify
append indicator (one of */=@|) to entries

--format=WORD
across -x, commas -m, horizontal -x, long -l, single-column -1,
verbose -l, vertical -C

--full-time
like -l --time-style=full-iso

-g like -l, but do not list owner

-G, --no-group
inhibit display of group information

-h, --human-readable
print sizes in human readable format (e.g., 1K 234M 2G)

--si likewise, but use powers of 1000 not 1024

-H, --dereference-command-line
follow symbolic links on the command line

--indicator-style=WORD append indicator with style WORD to entry names:
none (default), classify (-F), file-type (-p)

-i, --inode
print index number of each file

-I, --ignore=PATTERN
do not list implied entries matching shell PATTERN

-k like **--block-size=1K**

-l use a long listing format

-L, --dereference
when showing file information for a symbolic link, show information for the file the link references rather than for the link itself

-m fill width with a comma separated list of entries

-n, --numeric-uid-gid
like **-l**, but list numeric UIDs and GIDs

-N, --literal
print raw entry names (don't treat e.g. control characters specially)

-o like **-l**, but do not list group information

-p, --file-type
append indicator (one of **/=@|**) to entries

-q, --hide-control-chars
print **?** instead of non graphic characters

--show-control-chars
show non graphic characters as-is (default unless program is **`ls'** and output is a terminal)

-Q, --quote-name
enclose entry names in double quotes

--quoting-style=WORD
use quoting style WORD for entry names: literal, locale, shell, shell-always, c, escape

-r, --reverse
reverse order while sorting

-R, --recursive
list subdirectories recursively

-s, --size

print size of each file, in blocks

-S sort by file size

--sort=WORD

extension **-X**, none **-U**, size **-S**, time **-t**, version **-v**

status **-c**, time **-t**, atime **-u**, access **-u**, use **-u**

--time=WORD

show time as **WORD** instead of modification time: atime, access, use, ctime or status; use specified time as sort key if

--sort=time

--time-style=STYLE

show times using style **STYLE**: full-iso, long-iso, iso, locale, **+FORMAT**

FORMAT is interpreted like ``date'`; if **FORMAT** is **FORMAT1**<new-line>**FORMAT2**, **FORMAT1** applies to non-recent files and **FORMAT2** to recent files; if **STYLE** is prefixed with ``posix-'`, **STYLE** takes effect only outside the POSIX locale

-t sort by modification time

-T, --tabsize=COLS

assume tab stops at each **COLS** instead of 8

-u with **-lt**: sort by, and show, access time with **-l**: show access time and sort by name otherwise: sort by access time

-U do not sort; list entries in directory order

-v sort by version

-w, --width=COLS

assume screen width instead of current value

-x list entries by lines instead of by columns

-X sort alphabetically by entry extension

-1 list one file per line

--help display this help and exit

--version

output version information and exit

SIZE may be (or may be an integer optionally followed by) one of following: kB 1000, K 1024, MB 1,000,000, M 1,048,576, and so on for G, T, P, E, Z, Y.

By default, color is not used to distinguish types of files. That is equivalent to using **--color=none**. Using the **--color** option without the optional **WHEN** argument is equivalent to using **--color=always**. With **--color=auto**, color codes are output only if standard output is connected to a terminal (tty).

AUTHOR

Written by Richard Stallman and David MacKenzie.

REPORTING BUGS

Report bugs to <bug-coreutils@gnu.org>.

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SEE ALSO

**The full documentation for ls is maintained as a Texinfo manual. If
the info and ls programs are properly installed at your site, the com-
mand**

info ls

should give you access to the complete manual.

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